



**MACRO APO-ULTRON 35mm F2
X-mount**

INSTRUCTION MANUAL

Thank you for purchasing a Voigtlander product. The Voigtlander X-mount series is an interchangeable lens designed exclusively for X-mount which covers the APS-C frame size. The optical system is optimized to meet the specifications of a digital image sensor.

This product features manual focus and mechanical interlocking manual apertures. However, the communication functions using electronic contacts * 1 reflect the lens data in the Exif information.

It also has a built-in distance encoder, so you can make images using the focus check function and the distance index bar. It further supports models equipped with an in-body image stabilization function.

Features of the X-mount series

- Equipped with electronic contacts * 1 Compatible with APS-C X mount
- Optical design optimized for X-mount sensor
- Highly rigid and durable all-metal lens barrel
- Manual focus for reliable focusing

* 1 This product is equipped with electronic contacts, but there are restrictions on the cameras which can perform electronic communications. Please check the URL (QR code) below for models that support electronic communication.

www.cosina.co.jp/voigtlander/en/



Tips for lens care and safety

These tips are to protect the user from injury or damaging the lens.



WARNING

If the user ignores this warning and uses the equipment incorrectly, serious injuries and even death may be the result.



CAUTION

If the user ignores this caution sign it might result in injuries and damage the equipment.



WARNING

Never look directly at the sun with a telephoto lens as this can damage your eyes.



CAUTION

Keep the lens, camera and accessories out of the reach of children.



CAUTION

Store the lens away from direct sunlight and always store the lens with lens-cap on. Failure to do so may create a fire hazard.

Precautions for use

This product is equipped with electronic contacts, but there are restrictions on certain functions the cameras can perform. Please check the URL (QR code below) for models that support electronic communications.

This product is intended to be used with the X-mount camera body. Please note that using it with teleconverters, mount adapters, macro adapters, and other accessories, may cause problems.

Never touch the lens surface. In case it is dirty or dusty use commercially available lens cleaners or appropriate lens cleaning cloth.

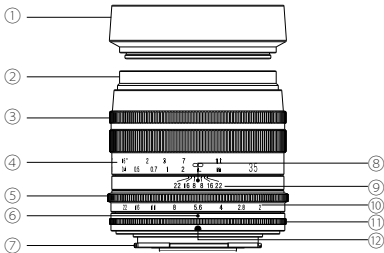
Please check here for electronic communication compatible camera information.

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Description of Parts

- ① Lens Hood
- ② Filter Ring
- ③ Focus Ring
- ④ Distance Scale
- ⑤ Aperture Ring
- ⑥ Aperture Index
- ⑦ Mount
- ⑧ Distance Index
- ⑨ Depth of Field Scale
- ⑩ Aperture Scale
- ⑪ Mount Index Ring
- ⑫ Mount Index



● How to attach/detach the lens

Please refer to the instruction manual for your camera for how to attach/detach the lens.

* Please make sure to set the power of the camera to "OFF".

Please hold the Mount Index Ring ⑪ to attach/detach the lens. If you attach/detach the lens while holding other parts of the lens barrel it may damage the lens.

● Attaching Lens Hood

Screw the Lens Hood ① to the front of the lens.

● Attaching Filter

1. Screw the filter (Ø49mm) to the front of the lens.
2. Screw the Lens Hood ① into the thread of the filter when using the Lens Hood ① together with the filter.

* Do not screw the filter into the thread of the Lens Hood ①. This may cause vignetting.

Preparation (camera body settings)

By setting the camera body as below, you can shoot using the functions of the lens and body. For details on camera body settings, refer to the instruction manual of the camera you are using.

1. Electronic communication compatible models

*When using with an electronic communication compatible model, if the camera firmware is not current, the performance of this product may not be fully utilized, or some functions may be limited, so please use the latest version of the camera's firmware.

1-1. Aperture display setting (change from T value to F value)

The aperture value display is set to "T value" by the initial setting on the camera body. By changing the "T value" to "F value", you may use the same numerical value as the aperture value display of this product.

Even if the aperture setting is left as "T value", the Exif display will be displayed as the "F value".

1-2. Depth of field scale setting (change to film standard reference)

By setting the depth of field scale of the camera body to "Film reference", the depth scale engraved on this product, and the depth range displayed, on the body will match.

2. Models that do not support electronic communications

When using with a model that does not support electronic communications, set [Release without lens] to "ON" in the camera settings.

How CPU/Contact works

1. Exif Data

Image file can store the Exif data of lens.

(For example, if you use Voigtländer 35mm F2)

Lens	VOIGTLANDER MACRO APO-ULTRON 35mm F2
Focal length	35mm
Maximum Aperture	F2
Aperture	The aperture value you used to take the picture

2. Focus check

When [Focus Check] on the camera body is "ON", the live view display can be automatically enlarged when the focus ring is rotated. You may cancel this mode by pressing the shutter button halfway down.

3. Distance display

When the focus ring is rotated, a guideline for the distance to the focus position is displayed on the screen.

*In the camera body settings, you can switch "ON" and "OFF" of [distance index during MF] and adjust MF assist. For details, please refer to the instruction manual of the camera you are using.

4. Image stabilization

This lens supports the "camera shake" correction function.

*The "camera shake" correction function can be switched "ON / OFF" by the appropriate setting on the camera body.

For more details, please refer to the instruction manual of your camera.

● Specifications

Product Name	MACRO APO-ULTRON 35mm F2
Focal Length	35mm
Maximum Aperture	F2
Minimum Aperture	F22
Lens Construction	6 groups 9 elements
Angle of View	42.8°
Aperture Blades	10
Minimum Focus	0.163m
Macro Ratio	1:2
Filter Size	Ø49mm
Maximum Diameter	Approx. Ø60.7mm
Length	Approx. 54.8mm
Weight	Approx. 265g
Mount	X-mount
Aperture Ring	Available (Manual Setting)(1/3 stop increments)
Electric Contact	Available
Exif Data	Available
Focus check	Available
Supports parallax correction	Available (only with compatible cameras)

* Specifications and information is subject to change without prior notice.

● Specifications

In-body camera shake correction function	possible * only on camera body with Image Stabilization
Supplied Accessory	Front Cap, Rear Cap, Lens Hood
Corresponding shooting mode	A [Aperture priority] M [Manual]

* Specifications and information is subject to change without prior notice.